

CLAIMS

1. A chipper knife comprising a cutting edge (6)
5 along at least one of its side edges, the chipper knife
being adapted to be mounted in chippers of the kind which
are used to cut chips of a desired size and shape from
pieces of wood or timber (7) and which comprise a tool,
10 in the form of a plane or conical disc, which is arranged
for rotation about an axis of rotation and on which a
plurality of such chipper knives (2) are mountable, their
respective cutting edges being oriented in the direction
of rotation in such manner that one end of the cutting
15 edge of the chipper knife is located closer to the axis
of rotation of the tool than the opposite end of the
cutting edge, the cutting edge of the chipper knife being
formed between two surfaces, viz. a timber-guiding sur-
face (11), which faces the pieces of timber fed to the
20 tool, and a chip-guiding surface (13), which guides the
cut chips through openings (10) provided therefor in the
tool, and the timber-guiding surface (11) of the chipper
knife having a varying angle along its length in relation
to a plane of rotation in such a way that the angle is
25 greater at the end of the cutting edge located closest to
the axis of rotation and decreases in the outward direc-
tion to allow the timber-guiding surface (11) to follow
as closely as possible an ideal timber-guiding cam curve
between two consecutive chipper knives, c h a r a c -
t e r i s e d in that the chip-guiding surface (13) of
30 the chipper knife has a varying angle along its length
in relation to a plane of rotation in such a way that the
angle is smaller at the end of the cutting edge located
closest to the axis of rotation and increases in the
outward direction in order to obtain a cutting edge angle
35 between the timber-guiding surface (11) and the chip-
guiding surface (13) that is essentially constant along

the whole length of the cutting edge and chips that are as uniform as possible in thickness.

2. A chipper knife as claimed in claim 1, c h a r -
a c t e r i s e d in that it is symmetrical with regard
5 to a plane perpendicular to the longitudinal extent of
the chipper knife and through its centre in such manner
that the chipper knife is mountable in the chipper in a
way that allows it to be turned end-for-end.

3. A chipper knife as claimed in claim 1 or 2,
10 c h a r a c t e r i s e d in that the timber-guiding sur-
face (11) and the chip-guiding surface (13) are recti-
linear as seen in cross-section.

4. A chipper knife as claimed in any one of the pre-
ceding claims, c h a r a c t e r i s e d in that it has an
15 essentially flat shape with two opposite main surfaces
(15, 15'), at least one cutting edge (6) being formed
between two bevelled surfaces (11, 13) at an angle to the
main surfaces.

5. A chipper knife as claimed in any one of the pre-
ceding claims, c h a r a c t e r i s e d in that it has
20 two opposite cutting edges (6).

6. A chipper comprising a plurality of chipper
knives (2) as claimed in any one of the preceding claims.